

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A thermal textile comprising:
at least one non-conducting yarns;
at least one positive temperature coefficient (PTC) heating yarn, said PTC yarn
having a core and a positive temperature coefficient of resistance
(PTCR) sheath, the PTCR sheath including distinct electrical
conductors intermixed within a thermally expansive matrix, wherein
the thermally expansive matrix has a higher coefficient of expansion
than the distinct electrical conductors, and wherein said PTC yarn
has a resistance value within the range from about 0.1 Ohms/inch to
about 2500 Ohms/inch;
said non-conductive yarn and said PTC heating PTC yarn being combined into a heating fabric.
2. (Original) The thermal textile according to claim 1, wherein said heating fabric is a woven fabric.
3. (Original) The thermal textile according to claim 1, wherein said heating fabric is a knitted fabric.
4. (Currently Amended) The thermal textile according to claim 3, wherein said heating PTC yarn forms loops of said knitted fabric.
5. (Currently Amended) The thermal textile according to claim 3, wherein said heating PTC yarn is laid into loops of said non-conductive yarn.
6. (Original) The thermal textile according to claim 1, further including at least one conductive lead electrically connecting to said PTC yarn.
7. (Original) The thermal textile according to claim 6, wherein said lead comprises a conductive yarn and wherein said conductive yarn forms loops of said knitted fabric.
8. (Original) The thermal textile according to claim 6, wherein said lead is laid into loops of said non-conductive yarn.